

# SMALL ANIMAL PET TOMOGRAPH - RATCAP

## PRODUCT

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### License Status

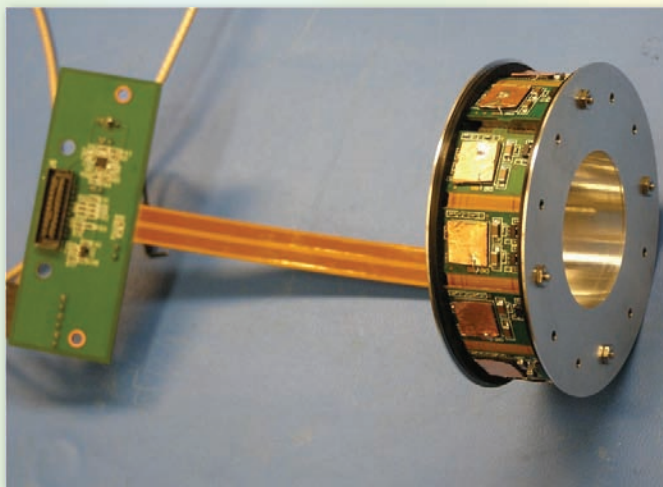
Available for Licensing

- Non-Exclusive
- Exclusive

### Patent Status

U.S. Patent

7,126,1261



Describes a small Positron Emission Tomography (PET) that can be used with a conscious moving animal to acquire brain images. The detector can be mounted to the head of the animal and suspended from a mechanical support that will counterbalance the weight and dampen the inertial motion of the detector as the animal moves.

## COMPETITIVE ADVANTAGE

The RatCAP is a light self-contained portable PET imaging system. In addition, the tomography is compatible with Magnetic Resonance Imaging (MRI), opening up the possibility of simultaneous PET and MRI.

## APPLICATIONS

Include imaging equipment for studying functional neurophysiological activity in awake laboratory animals.

**Reference:** Initial studies using the RatCAP conscious animal PET tomography, C Woody et al, Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 527 (1-2), 166-170.

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